"TUNE UP" ON THE NEW CLEGG ZEUS

Two Unit Construction with Remote Modulator and Power Supply Conserves Space at Operating Position

6 AND 2 METER TRANSMITTER
185 Watts of Solid "Talk Power"

Again . . .

Clegg Laboratories brings VHF'ers a new power packed performer . . . A new beauty that's guaranteed to produce more carrier output and a higher level of modulation power than any other commercially built VHF amateur transmitter now available.

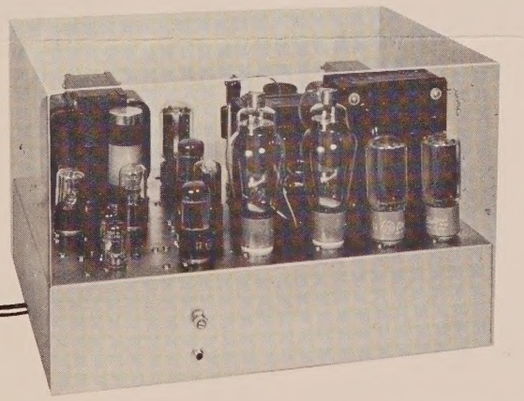
Put a *Zeus* on 6 and 2 and watch the QSO's roll in. If you like DX, listen to this! — You'll have 185 solid watts on *both* AM and CW . . . and you'll have *automatic* modulation control that will actually let you "out-talk" many kilowatt rigs!

PERFORMANCE DATA

AUDIO: Automatic feedback control of low level speech clipping permits 120% positive modulation peaks for maximum talk power without splatter. A panel mounted indicator provides visual monitoring of modulation. Frequency response is flat within 2 db between 400 and 3400 cps and down at least 18 db at 150 and 4500 cps. Hum and noise levels are down at least 40 db below 70% modulation. Up to 18 db of speech clipping, adjusted with a calibrated panel control gives ZEUS the "talk power" to outperform many KW rigs.

RF: The VFO will maintain frequency stability of 1 part in 10^6 per degree F. per hour after a 15-minute warmup. Frequency reset accuracy is within 5 KC. A precise, zero backlash, flywheel loaded dial makes accurate tuning easy on both 6 and 2 meters.

Maximum TVI suppression is inherent in all ZEUS circuitry. 6 meter output power is fed to the line thru a pi network circuit. Output on 2 is link coupled to a high efficiency tank.



Amateur Net Price: $675.00 Completely wired and tested with all tubes, Modulator, Power Supply, VFO, cables, etc.

AVAILABLE THROUGH YOUR DISTRIBUTOR

QUAKER ELECTRONICS
MT. TOP. PA.

Coming Soon- **Matching VHF RECEIVER!**

Clegg LABORATORIES

RT. 53, MT. TABOR, N. J. • OAkwood 7-6800

TECHNICAL INFORMATION

In designing ZEUS, major emphasis was placed on producing a highly efficient, high power, completely self-contained VHF transmitter for full coverage of the 6 and 2 meter amateur bands.

The equipment is housed in two separate enclosures, one containing all power supplies, audio driver stages and the Class B modulator system. The other is a compact, attractive tabletop unit which contains all RF stages, audio preamplifier and VFO. Functional switches, audio gain controls and normal metering are conveniently located on the operating panel which features an accurately calibrated slide rule tuning control. Designed with a tremendous reserve of driving power, ZEUS RF stages are non-critical in tuning and more than 500 KC of QSY is available without retuning. Tank circuits are silver plated for maximum efficiency.

Outstanding innovations in both VFO and modulator system design provide performance factors unequalled by any other commercially available equipment.

ZEUS ELECTRICAL AND PHYSICAL SPECIFICATIONS

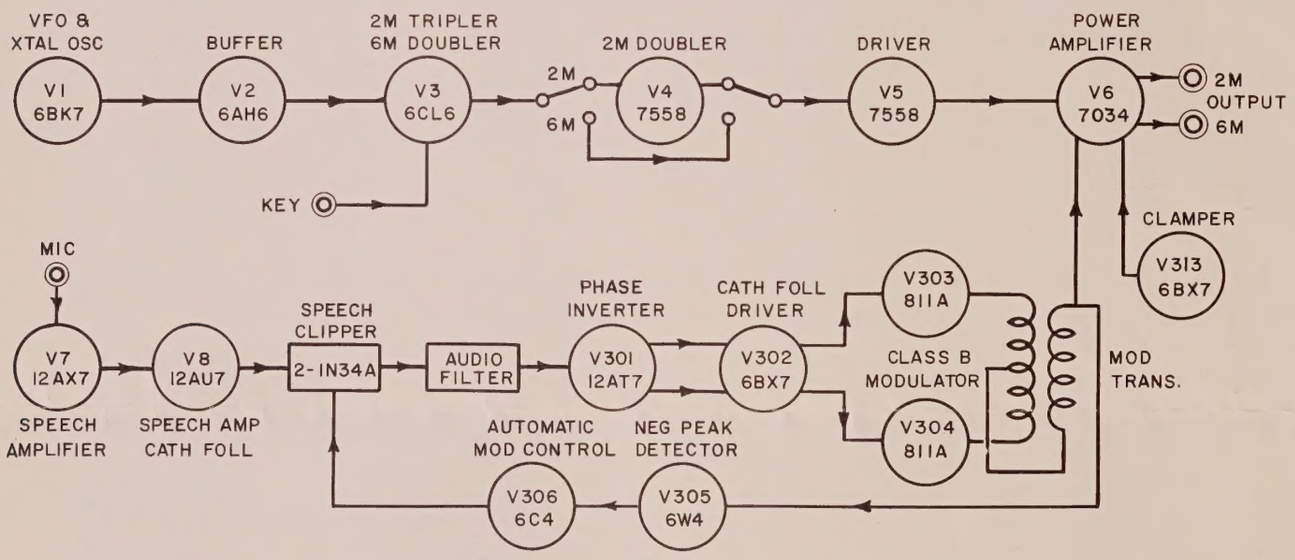
ELECTRICAL:

1.: FULL POWER INPUT OF 185 WATTS ON CW AND AM PHONE

2. FREQUENCY RANGE

	6 meters	2 meters
XTAL:	49.5 to 55.0 MC	142.0 to 148.5
VFO:	50.0 to 54.0 MC	144.0 to 148.0

3. Tube complement and functions (not including power supplies) are shown in the Block Diagram below.



PHYSICAL:

1. R.F. Unit, Cat. #331 ..... 15″W x 9″H x 9″D
   Modulator Power Supply, Cat. #344 ..... 17″W x 11″H x 13″D

2. Shipping Weights: #331 — 30 pounds
   #344 — 80 pounds

3. The ten foot long interconnecting power cable permits remote location and control of the modulator/power supply unit, assuring a trim neat operating position. Where required, cables up to 50 feet in length are available.